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OFFICIAL JOURNAL OF THE PLANT VARIETY PROTECTION OFFICE



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CONTENTS

	Page
Applications Received.....	4
Amendments.....	4
Certificates Issued.....	5
General Information.....	12

PREFACE

The Plant Variety Protection Act (7 U.S.C. 2321 et. seq.) authorizes the Secretary of Agriculture to publish an Official Journal and to provide the public with pertinent information relating to the operations of the Plant Variety Protection Office.

The statute also authorizes the Secretary to disseminate technological and other information available to the Office that would encourage innovation and promote progress in plant breeding.

The Official Journal, which is published quarterly, includes instructions issued by the Office and related information. It will be sent free to anyone on request. Send requests to:

Plant Variety Protection Office
Grain & Seed Division, AMS
U.S. Department of Agriculture
Room 205, National Agricultural Library
Beltsville, Maryland 20705

This issue covers the period from July 1, 1977, through September 30, 1977.

APPLICATIONS RECEIVED

<u>Appl. No.</u>	<u>Date</u>	<u>Name of Applicant</u>	<u>Name of Kind</u>	<u>Name of Variety</u>
** 7700081	770705	V-R-SEEDS, INC.	SOYBEAN	IKE
** 7700082	770705	PERMISSION TO PUBLISH NOT RECEIVED	WHEAT	DELTA QUEEN (3)
** 7700083	770705	PERMISSION TO PUBLISH NOT RECEIVED	BEAN	EARLY BLUE
** 7700084	770711	MCNAIR SEED CO.	WHEAT	MCNAIR 1003 (3)
** 7700085	770712	COKER'S PEDIGREED SEED CO.	OAT	FOUR TWENTY TWO (3)
** 7700086	770719	ASGROW SEED CO.	PEA	RIGO
** 7700087	770719	ASGROW SEED CO.	PEA	TREND
** 7700088	770719	ASGROW SEED CO.	BEAN	XP-B90
** 7700089	770720	PIONEER HI-BRED INT., INC.	SOYBEAN	1677
** 7700090	770720	PIONEER HI-BRED INT., INC.	SOYBEAN	2877
** 7700091	770720	PIONEER HI-BRED INT., INC.	SOYBEAN	0877
** 7700092	770725	NATIONAL SEED DEVELOP. ORGAN. LTD.	RYEGRASS	AUGUSTA (3)
** 7700093	770610	UNIV. OF NEBRASKA	WHEAT	AGATE (3)
** 7700094	770812	ASGROW SEED CO.	BEAN	STRIKE
** 7700095	770815	NORTH AMERICAN PLANT BREEDERS	WHEAT	HUTCH (3)
** 7700096	770815	ASGROW SEED CO.	SOYBEAN	A 3127
** 7700097	770830	ASGROW SEED CO.	BEAN	XP-B91
** 7700098	770830	ASGROW SEED CO.	BEAN	XP-B92
** 7700099	770830	ASGROW SEED CO.	BEAN	XP-B94
** 7700100	770830	ASGROW SEED CO.	SOYBEAN	XP 3855
** 7700101	770830	ASGROW SEED CO.	SOYBEAN	XP 4268
** 7700102	770811	N-CAROLINA AGRI-EXPER-STA.	OAT	FIRECRACKER (3)
** 7700103	770909	ROGERS BROTHERS SEED CO.	BEAN	VITAGREEN
** 7700104	770912	INTERNATIONAL SEEDS, INC.	BLUEGRASS	SABRE
** 7700105	770913	SEED RESEARCH ASSOCIATES, INC.	WHEAT	5422 (2)
** 7700106	770913	SEED RESEARCH ASSOCIATES, INC.	WHEAT	5466 (2)
** 7700107	770914	ZWAAN AND DEWILJES LTD.	BLUEGRASS	HARMONY (1)

AMENDMENTS

7600024	751201	North American Plant Breeders	Alfalfa	Vanguard
7700039	770131	Soybean Research Foundation, Inc.	Soybean	Masco 1976
7700101	770830	Asgrow Seed Company	Soybean	A 4268

** To be sold by variety name only as a class of certified seed.
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CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM

<u>Certificate No.</u>	<u>Issue Date</u>	<u>Owner</u>	<u>Name of Kind</u>	<u>Name of Variety</u>
7300071	July 19, 1977	Department of Horticulture Auburn University, A.E.S.	muskmelon	Gulfcoast
'Gulfcoast' is most similar to its one parent 'Southland.' It has (1) resistance to gummy stem blight and root knot nematode; whereas, 'Southland' is susceptible. 'Gulfcoast' fruits weigh 97 g less and are 0.9% higher in soluble solids than 'Southland.'				
**7600047	July 19, 1977	Holden's Foundation Seeds, Inc.	corn	LHL (1)
'LHL' most closely resembles 'B37' except 'LHL' is 20% shorter in plant height, 30% lower in ear height, and restores "C" cytoplasm while 'B37' does not.				
**7600050	July 19, 1977	Seed Research Associates, Inc.	wheat	4555 (2)
'4555' is most similar to 'Scout' wheat. '4555' is 4 days earlier and 27 cm shorter than 'Scout' wheat.				
**7600077	July 19, 1977	McNair Seed Company	cotton	McNair 220 (3)
'McNair 220' most closely resembles 'Coker 310' but 'McNair 220' has a 0.05 inch shorter fiber.				
7600072	July 26, 1977	W. Atlee Burpee Company	watermelon	Sugarbush
'Sugarbush' and 'Kengarden' are the only bush type watermelons with red-fleshed fruit currently in commerce. 'Sugarbush' differs from 'Kengarden' by having lobed leaves and seed that weigh 75 g/1000; whereas, 'Kengarden' has unlobed leaves and seed that weigh 21 g/1000.				
**7700033	July 26, 1977	University of Alaska Agricultural Experiment Station	glaucous bluegrass	Tundra (3)
'Tundra' is the first cultivar in the species <u>Poa glauca</u> . 'Tundra' was selected for winter hardiness, longevity and erect plant habit.				

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7700044	July 26, 1977	Rogers Brothers Seed Company	bean	Majestic
'Majestic' is most similar to 'Splendorgold,' but 'Majestic' is 3 days later in canning maturity, has longer pods, and white seedcoats. 'Splendorgold' has buff seedcoats.				
7700058	July 26, 1977	Asgrow Seed Company	bean	Conquest
'Conquest' most closely resembles 'Rebel' except 'Conquest' has pods that are typically 2 cm longer than 'Rebel,' 'Conquest' has 4 pods per plants more than 'Rebel' and 'Conquest' is 1-2 days earlier in maturity than 'Rebel.'				
7700067	July 26, 1977	Asgrow Seed Company	bean	Gaelic
'Gaelic' is most similar to 'Pico' but 'Pico' is susceptible to anthracnose while 'Gaelic' is resistant, except to the Ebnet race.				
7700070	July 26, 1977	Asgrow Seed Company	pea	Faro
'Faro' most closely resembles 'Trojan;' however, 'Faro' bears 3 or 4 flowers and sets 2 or 3 pods per node; whereas, 'Trojan' is double flowered and sets 1 or 2 pods per node. 'Faro' is tolerant to powdery mildew; whereas, 'Trojan' is susceptible.				
7700071	July 26, 1977	Asgrow Seed Company	pea	Riva
'Riva' most closely resembles 'Faro;' however, 'Riva' flowers 1 or 2 days earlier and requires 20 degree days less to mature than 'Faro.' 'Riva' produces 17% peas of sieve sizes larger than 4 compared with 35% for 'Faro.'				

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**7600040	August 11, 1977	Clarence Eklund	wheat	Eklund (3)
'Eklund' most closely resembles 'Minter.' 'Eklund' is apically awnleted; whereas, 'Minter' is awned.				
**7700045	August 11, 1977	Harley D. Jacquot	wheat	Jacmar (3)
'Jacmar' is most similar to 'Paha.' 'Jacmar' is apically awned with a moderately erect flag leaf; whereas, 'Paha' is awnless with a recurved twisted flag leaf.				
**7700053	August 11, 1977	Colorado State Experiment Station	wheat	Wings (3)
'Wings' is most similar to 'Lindon.' 'Wings' has 8.0 cm long beaks; whereas, 'Lindon' has 4.0 cm long beaks.				
**7500036	August 24, 1977	Soils and Crops Department, New Jersey Agricultural Experiment Station	creeping red fescue	Fortress (2)
'Fortress' most closely resembles 'Ruby.' 'Fortress' is darker green (a more bluegreen--2.5G 3/4 vs 2.5 GY 4/4 Munsell scale), and produces taller seedlings (9.2 vs 7.6 cm) taller plants (83 vs 75 cm) and broader crowns (890 vs 748 cm ²) than 'Ruby.'				
7600007	August 24, 1977	FFR Cooperative	soybean	FFR 111
'FFR 111' is most similar to 'Corsoy.' 'FFR 111' is about 3 days later in maturity and 6 cm taller in plant height than 'Corsoy.'				
7600043	August 24, 1977	Keystone Seed Company	lettuce	Costaverde
'Costaverde' most closely resembles 'Bellaverde.' 'Costaverde' is resistant to downy mildew race 5; whereas, 'Bellaverde' is not.				

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7600054	August 24, 1977	Keystone Seed Company	lettuce	Gustaverde
'Gustaverde' most closely resembles 'Great Lakes R200-95.' 'Gustaverde' is resistant to downy mildew race 5; whereas, 'Great Lakes R200-95' is not.				
**7600081	August 24, 1977	Kentucky University Agricultural Experiment Station	tall fescue	Kenhy (2)
'Kenhy' tall fescue most closely resembles 'Kentucky 31.' 'Kenhy' has a higher percentage digestibility (66.4 vs 63.5), lower fiber % (25.0 vs 25.8), lower lignin % (1.9 vs 2.2), a lower stomatal frequency (219,700 vs 248,700 stomates/dm ² of lower leaf) and has a lower percentage of leaf roll (52.6 vs 65.0) than 'Kentucky 31.'				
7700035	August 24, 1977	Soybean Research Foundation, Inc.	soybean	DS 160
'DS 160' is most similar to 'SRF 150' and 'Gutwein 180.' 'DS 160' differs from 'SRF 150' in plant pubescence (brown vs grey) and leaf shape (ovate vs lanceolate); 'DS 160' differs from 'Gutwein 180' in pod color (brown vs tan).				
7700036	August 24, 1977	Soybean Research Foundation, Inc.	soybean	Gutwein 180
'Gutwein 180' is most similar to 'SRF 150' and 'DS 160.' 'Gutwein 180' differs from 'SRF 150' in plant pubescence (brown vs grey) and leaf shape (ovate vs lanceolate); 'Gutwein 180' differs from 'DS 160' in pod color (tan vs brown).				
7700038	August 24, 1977	Soybean Research Foundation, Inc.	soybean	PL 6712424
'PL 6712424' is most similar to its parent 'Wayne.' 'PL 6712424' has gray pubescence, purple flowers and buff hila; whereas, 'Wayne' has tawny pubescence, white flowers, and black hila.				

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**7700060	August 24, 1977	Royal Sluis	bean	BEF (1)
'BEF' is most similar to 'Idelight.' 'BEF' has white seeds and is resistant to anthracnose; whereas, 'Idelight' has brown seeds and is susceptible to anthracnose.				
7700069	August 24, 1977	Asgrow Seed Company	pea	Dawn
'Dawn' most closely resembles 'Spring' and 'No. 4683.' 'Dawn' differs from 'Spring' by producing peas of average sieve size 3.19 that are greyed-green 195B of the Royal Horticultural Society Colour Chart; whereas, the peas of 'Spring' are of average sieve size 4.23 and are yellow-green 152B. 'Dawn' matures 3-4 days earlier than 'No. 4683.'				
7700073	August 24, 1977	Asgrow Seed Company	pea	Trifect
'Trifect' is most similar to 'Puget' and 'Dark Skin Perfection.' 'Trifect' is susceptible to near wilt while 'Puget' is resistant. 'Trifect' is tolerant to powdery mildew while 'Puget' is very susceptible. 'Trifect' is usually 100% triple-flowered and develops two or more pods per node while 'Dark Skin Perfection' seldom produces more than two flowers per node and generally produces one or two pods per node.				
7700087	August 24, 1977	Asgrow Seed Company	pea	Trend
'Trend' most closely resembles 'Alaska 130.' 'Trend' has wrinkled seed; whereas, 'Alaska 130' has smooth seed.				
7600032	Sept. 15, 1977	FMC Corporation	lettuce	Vanagara
'Vanagara' most closely resembles 'Vanguard;' however, 'Vanagara' matures 5 days earlier than 'Vanguard' and has dentate leaf margins; whereas, 'Vanguard' has entire leaf margins.				

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7700037	Sept. 15, 1977	Soybean Research Foundation, Inc.	soybean	PL 6940104
'PL 6940104' is most like 'Amsoy 71'; however, it is distinguished from 'Amsoy 71' by having light brown plant pubescence compared to grey plant pubescence for 'Amsoy 71.'				
7700061	Sept. 15, 1977	Royal Sluis	bean	Skil
'Skil' is most similar to 'Green Isle' but 'Skil' is resistant to anthracnose while 'Green Isle' is susceptible.				
7700072	Sept. 15, 1977	Asgrow Seed Company	pea	Lotus
'Lotus' most closely resembles 'Venus'; however, 'Lotus' produces 3 flowers and 2 or 3 pods per node; whereas, 'Venus' is double-flowered and produces 1 or 2 pods per node.				
7700074	Sept. 15, 1977	Asgrow Seed Company	pea	Bolero
'Bolero' most closely resembles 'Puget'; however, 'Bolero' is 60 cm tall and flowers on the 15th node; whereas, 'Puget' is 50 cm tall and flowers on the 17th or 18th node.				
7700088	Sept. 15, 1977	Asgrow Seed Company	bean	Bush Blue Lake Advance
'Bush Blue Lake Advance' is most similar to 'Bush Blue Lake 53.' 'Bush Blue Lake Advance' pods mature approximately four days earlier than 'Bush Blue Lake 53' and 'Bush Blue Lake Advance' has a smaller bush than 'Bush Blue Lake 53.'				
**7500043	Sept. 28, 1977	New Jersey Agricultural Ex. Stat.	chewings rescue	Banner (3)
'Banner' most closely resembles 'Jamestown' but 'Banner' plants have a dark green color compared to a dark green-yellow (2.5 G 4/4 vs 10 G 4/4, Munsell scale), for 'Jamestown.' 'Banner' was suppressed much less by growth retardants than 'Jamestown.'				

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**7600029	Sept. 28, 1977	Jack C. Futrell	wheat	RF-75 (3)
'RF-75' most closely resembles 'White Polish' but 'RF-75' differs by having white awns; whereas, 'White Polish' has black awns.				
**7600049	Sept. 28, 1977	Seed Research Associates, Inc.	wheat	5221 (2)
'5221' most closely resembles 'Eagle,' but '5221' is resistant to leaf rust and has semidwarf plant height; whereas, 'Eagle' is susceptible to leaf rust and has normal plant height.				
76TQ018	Sept. 28, 1977	Joseph Harris Company, Inc.	marigold	Cabaret Orange
'Cabaret Orange' most closely resembles 'Orange Nugget.' However, 'Cabaret Orange' produces seed; whereas, 'Orange Nugget' is sterile. 'Cabaret Orange' is a tetraploid and 'Orange Nugget' is a triploid.				
7700083	Sept. 28, 1977	Northrup, King and Company	bean	Early Blue
'Early Blue' most closely resembles 'Oregon 58' but 'Early Blue' flowers two days earlier than 'Oregon 58.'				
**7700078	Sept. 28, 1977	Ferry-Morse Seed Company	soybean	SL578 (3)
'SL578' is most similar to 'SL474' except 'SL578' is resistant to <u>Phytophthora megasperma</u> , race 1; whereas, 'SL474' is susceptible.				
' 7700096	Sept. 28, 1977	Asgrow Seed Company	pea	Rigo
'Rigo' most closely resembles 'Mars;' however, 'Rigo' is triple flowered; whereas, 'Mars' is double flowered. 'Rigo' also matures 3 days later than 'Mars.'				

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GENERAL INFORMATION

Annual Progress Report

As of October 1, 1977, the beginning of our new fiscal year, we have issued a total of 461 certificates of protection, 142 in the past fiscal year. The actual status of our progress in all categories as of October 1, 1977, is as follows:

Total No. of applications received	= 786
No. received in fiscal 1977	= 112
Total No. from foreign countries	= 62
Total No. from experiment station	= 76

<u>Total No. of Applications:</u>	<u>Total No. of Certificates Issued:</u>
Agricultural 491 or 62%	Agricultural 312 or 68%
Vegetable 218 or 28%	Vegetable 101 or 22%
Flower 77 or 10%	Flower 47 or 10%

Total number of applications on agricultural seed specifying that the variety is to be sold by variety name only as a class of certified seed = 326 or 66%.

Total number of certificates issued on agricultural seed specifying that the variety is to be sold by variety name only as a class of certified seed = 192 or 61%.

Total No. of applications abandoned, ineligible, withdrawn, or denied = 175.

Total No. of applications pending - 152.